

## Chemical Effect of Electric Current

### Skill Based Questions

**Q.1. Subjective questions:**

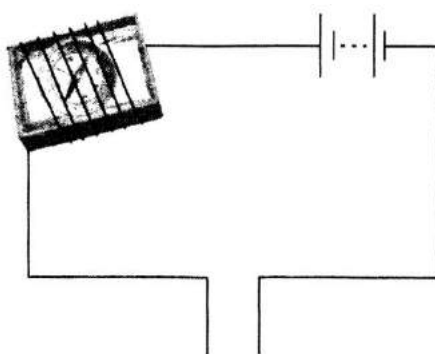
- 1.** Do liquid conduct electricity? Experimentally verify using tester.

**Ans.** .....  
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- 2.** In our day to day life we use different type of cells. Explain cells and their different types.

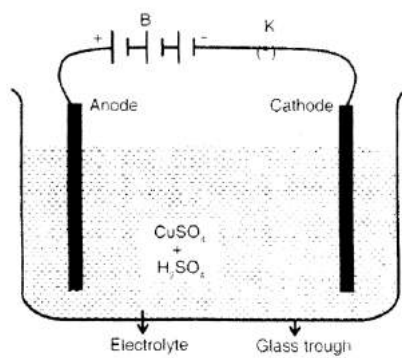
**Ans.** .....  
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- 3.** Study the given materials. Find out whether the given materials will show compass needle deflection while placing at position 'X' or not. Also find out whether it is a good conductor or poor conductor of electricity. Record your observation in given table.



S.N.	Material	Compass needle show deflection Yes/No	Good conductor/ poor conductor.
1.	Lemon juice		
2.	Tap water		
3.	Vegetable oil		
4.	Vinegar		
5.	Honey		
6.	Milk		

4. Rohan took some aqueous copper sulphate solution in trough and added some sulphuric acid ( $H_2SO_4$ ) to it. Give experimental result with the help of figure given below.

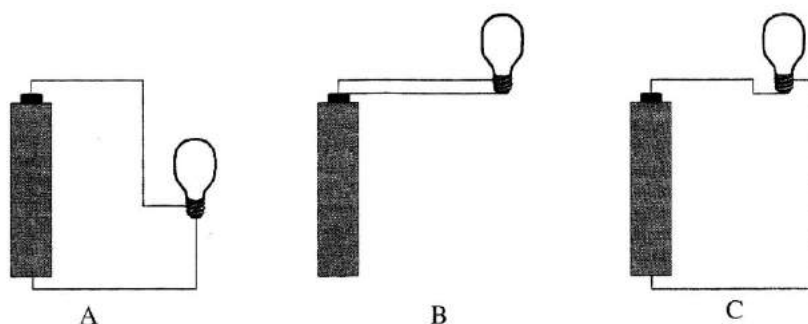


**Ans.** .....

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5. Which of these is not the correct way to connect a bulb to a cell?



**Ans.** .....

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**6.** Suppose you want to use a cell to light a torch bulb. How would you do it. Explain with figure.

**Ans.** .....  
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**7.** Give reason why ionic compounds conduct electricity in molten state?

**Ans.** .....  
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**8.** Explain the application of electrolysis?

**Ans.** .....  
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**9.** Shyam dipped the free end of a tester into a solution. He found that magnetic needle got deflected. Explain.

**Ans.** .....  
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**10.** Differentiate between conventional current and electronic current?

**Ans.** .....  
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## Crossword Puzzle

### Across

1. Wind energy to electrical energy.
2. Electrical energy to wind energy.
3. Heat energy to electrical energy.
4. Chemical energy to electrical energy.

### Down

5. Electrical energy to heat energy.
6. Potential energy to water to electrical energy
7. Electrical energy to light energy.
8. Solar energy to electrical energy.

